

**METHOD FOR DETERMINING THE AMOUNT OF CHARGE  
WHICH CAN BE DRAWN ON A STORAGE BATTERY, AND  
MONITORING DEVICE FOR A STORAGE BATTERY**

**ABSTRACT**

5 A method for determining the amount of charge which can be drawn from a  
storage battery includes determining a battery voltage and current profile  
over at least one time interval; smoothing the battery voltage profile and  
the battery current profile using at least two different smoothing  
measures; and determining voltage and current differences between battery  
10 current and voltage profiles smoothed using a second and third smoothing  
measure, with the third smoothing measure producing greater smoothing  
than the second smoothing measure. The method further includes  
calculating characteristic values from quotients of the voltage differences  
and the current differences; utilizing the characteristic values for a time  
15 interval to determine an interval characteristic value; and determining the  
amount of charge which can be drawn from the storage battery from at  
least one interval characteristic value for at least one time interval. A  
monitoring device may be provided for carrying out the method.